

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 03-035428
 (43)Date of publication of application : 15.02.1991

(51)Int.Cl.

G11B 7/00
 G11B 7/125
 // G11B 7/135

(21)Application number : 01-169628
 (22)Date of filing : 30.06.1989

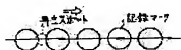
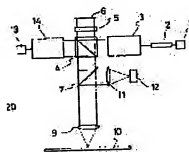
(71)Applicant : TOSHIBA CORP
 (72)Inventor : SUZUKI KATSUMI

(54) INFORMATION RECORDER

(57)Abstract:

PURPOSE: To enable high density recording with comparatively simple device configuration by using the fundamental wave of a light source for recording and using an n -th higher harmonic wave, for which a spot diameter is smaller than that of the fundamental wave, for reproducing.

CONSTITUTION: A first laser light source 13 is provided to irradiate an information recording medium 10 with a light beam and to record information and a second laser light source 1 is provided to irradiate the medium, where the information are recorded, with the light beam and to reproduce the information. Then, an optics is provided to condense the light beams from the first and second laser light sources and to irradiate the information recording medium with the light beams. The first laser light source 13 records the information with the fundamental wave and the second laser light source 1 reproduces the information with the n -th higher harmonic wave of the fundamental wave. Accordingly, in comparison with the recording spot, the reproducing spot can be made smaller and even when the recording spot is close rather than the conventional recording spot, the information is reproduced. Thus, the recording density is made higher only for the close part of the recording spot.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

